

10/509054

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| Substitute for form 1449A/B/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    |   | <b>Complete If Known</b> |                    |
|                                                                                                                                          |   |    |   | Application Number       | NEW                |
|                                                                                                                                          |   |    |   | Filing Date              | September 24, 2004 |
|                                                                                                                                          |   |    |   | First Named Inventor     | Takeshi SHOGAKI    |
|                                                                                                                                          |   |    |   | Art Unit                 | N/A                |
|                                                                                                                                          |   |    |   | Examiner Name            | Not Yet Assigned   |
| Sheet                                                                                                                                    | 1 | of | 1 | Attorney Docket Number   | 1422-0647PUS1      |

| U.S. PATENT DOCUMENTS |                          |                                          |                                |                                                    |                                                                                 |
|-----------------------|--------------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                       |                          |                                          |                                |                                                    |                                                                                 |

| FOREIGN PATENT DOCUMENTS |                          |                                                                                   |                                   |                                                    |                                                                                 |                |
|--------------------------|--------------------------|-----------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document                                                           | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>3</sup> |
|                          |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                   |                                                    |                                                                                 |                |
| CK                       | BA**                     | EP-260121-A2                                                                      | 03-16-1988                        |                                                    |                                                                                 |                |
| CK                       | BB**                     | EP-240175-A1                                                                      | 10-07-1987                        |                                                    |                                                                                 |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\* CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS |                          |                                                                                                                                                                                                                                                                 |                |
|---------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner<br>Initials            | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>3</sup> |
| CK                              | CA**                     | Robert J. FERRIER et al., "Functionalized carbocycles from carbohydrates. Part 12.", Carbohydrate Research, 1990, Vol. 205, pages 283-291.                                                                                                                      |                |

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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|-----------------------|-------------|--------------------|---------|
| Examiner<br>Signature | G. Kristian | Date<br>Considered | 8/14/06 |
|-----------------------|-------------|--------------------|---------|

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Sheet 1 of 1 ( )

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------|------|-------------------------------|---------------------------|-------------------------------|-----------------------|--|
| Form PTO-1449                                                                                                                                                                                                                                                                           |                                                                       | ATTY. DOCKET NO.<br>1422-0647PUS1 |      | APPLICATION NO.<br>10/509,059 |                           |                               |                       |  |
| <b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><br>(Use several sheets if necessary)                                                                                                                                                                                   |                                                                       | APPLICANT<br>Takeshi SHOGAKI      |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         |                                                                       | FILING DATE<br>September 24, 2004 |      | GROUP<br>1642                 |                           |                               |                       |  |
| <b>U.S. PATENT DOCUMENTS</b>                                                                                                                                                                                                                                                            |                                                                       |                                   |      |                               |                           |                               |                       |  |
| EXAMINER<br>INITIAL                                                                                                                                                                                                                                                                     | DOCUMENT NUMBER                                                       | Kind                              | DATE | NAME                          | CLASS<br><br>SUB<br>CLASS | FILING DATE<br>IF APPROPRIATE |                       |  |
|                                                                                                                                                                                                                                                                                         | US                                                                    |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         | US                                                                    |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         | US                                                                    |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         | US                                                                    |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         | US                                                                    |                                   |      |                               |                           |                               |                       |  |
| <b>FOREIGN PATENT DOCUMENTS</b>                                                                                                                                                                                                                                                         |                                                                       |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         | Office                                                                | DOCUMENT<br>NUMBER                | Kind | DATE                          | COUNTRY                   | CLASS<br><br>SUB<br>CLASS     | TRANSLATION<br>YES NO |  |
| GK                                                                                                                                                                                                                                                                                      | JP                                                                    | 2-2589                            | B2   | 1990-01-18                    | JAPAN (W/ABSTRACT)        |                               |                       |  |
| I                                                                                                                                                                                                                                                                                       | JP                                                                    | 3-16334                           | B2   | 1991-03-05                    | JAPAN (W/ABSTRACT)        |                               |                       |  |
| I                                                                                                                                                                                                                                                                                       | JP                                                                    | 2-38580                           | B2   | 1990-08-31                    | JAPAN (W/ABSTRACT)        |                               |                       |  |
| GK                                                                                                                                                                                                                                                                                      | JP                                                                    | 2593677                           | B2   | 1996-12-19                    | JAPAN (W/ABSTRACT)        |                               |                       |  |
|                                                                                                                                                                                                                                                                                         |                                                                       |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         |                                                                       |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         |                                                                       |                                   |      |                               |                           |                               |                       |  |
| <b>OTHER DOCUMENTS</b> (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.) |                                                                       |                                   |      |                               |                           |                               |                       |  |
| GK                                                                                                                                                                                                                                                                                      | Jaramillo et al., J. Org. Chem., Vol. 59, pp.3135-3141 (1994)         |                                   |      |                               |                           |                               |                       |  |
| GK                                                                                                                                                                                                                                                                                      | Iimori et al., Tetrahedron Letters, Vol. 37, No. 5, pp.649-652 (1996) |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         |                                                                       |                                   |      |                               |                           |                               |                       |  |
|                                                                                                                                                                                                                                                                                         |                                                                       |                                   |      |                               |                           |                               |                       |  |
| EXAMINER                                                                                                                                                                                                                                                                                |                                                                       | G. Kozin                          |      | DATE CONSIDERED               |                           | 8/14/06                       |                       |  |
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